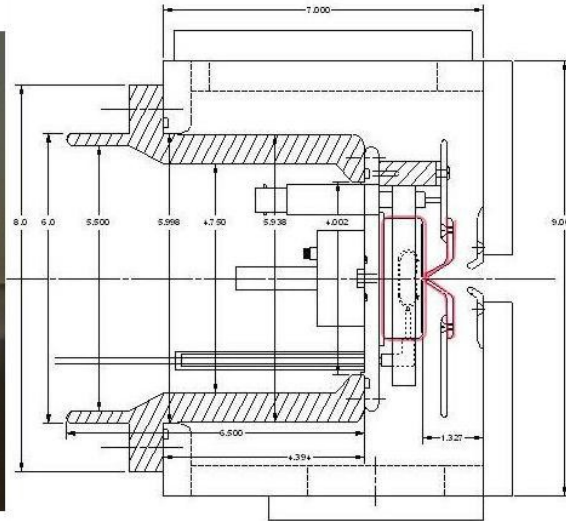
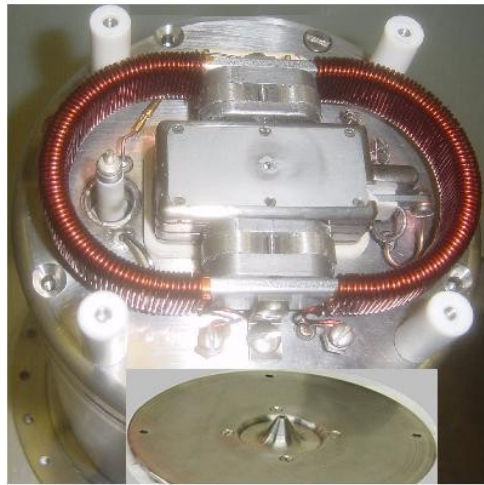


Pre-injector Upgrade Updates (09 Jun – 30 Jun 2010)

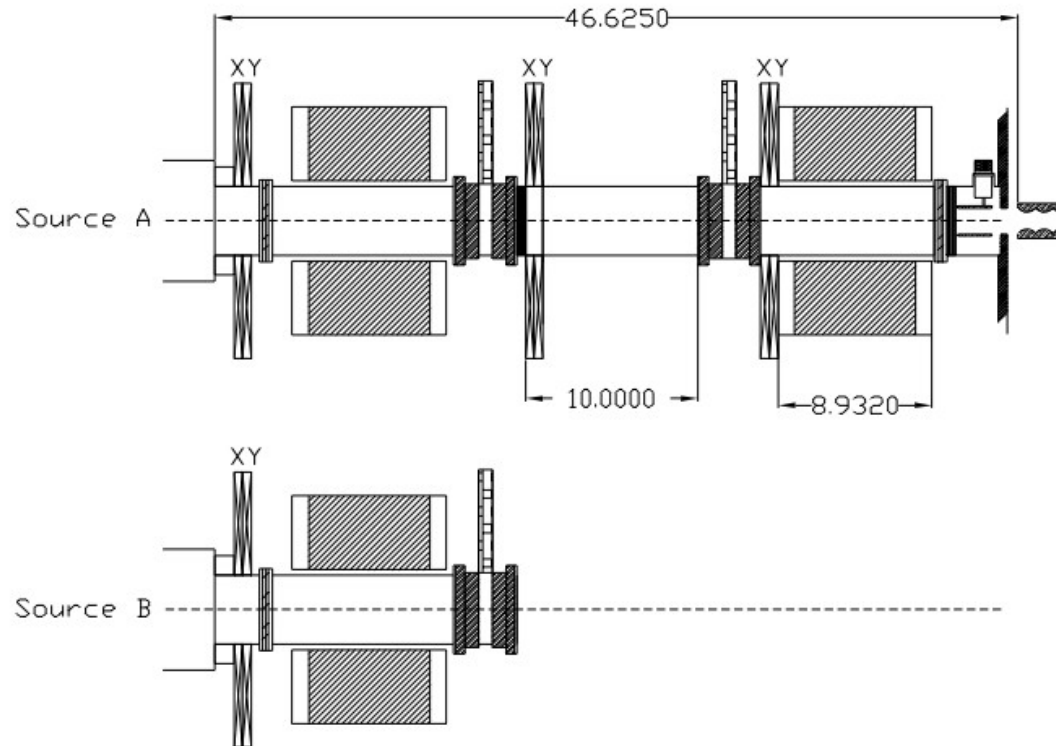
C.Y. Tan
30 Jun 2010

Source Status



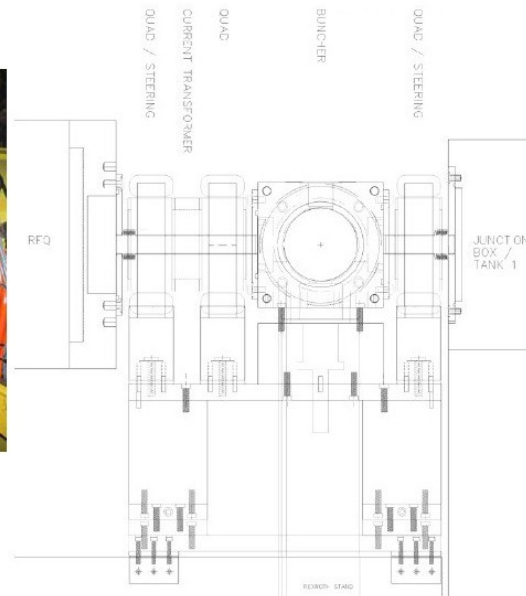
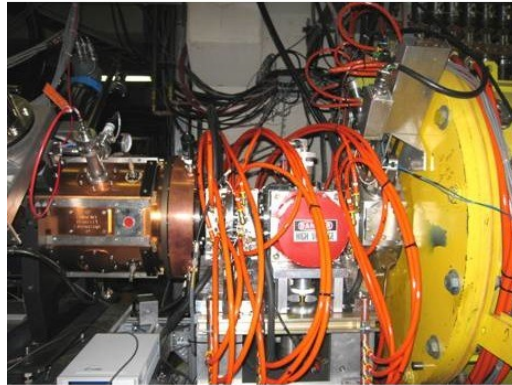
Device	Status	Comments
Source	65mA extracted @25kV extraction voltage, 7.5Hz, 500us	Still waiting for 35kV extraction
Pulser	37kV pulsed.	Not connected to extractor yet because of X-ray issues. Need shielding

LEBT Status



Device	Status	Comments
Power for solenoids		Off the shelf supplies (500A)
Correctors	Bdl=186.5 gauss inches	Vendor sought
Einzel Lens		Beam shot at it at >35kV. No sparking
Pulser for Einzel	Waiting for spec sheet.	Build with thyratrons for test.
Solenoids		Drawings will be done week after 4 th July
Toroid	before sol 2	Cannot be inside tank

MEBT Status



Device	Status	Comments
Quads	Design quad that is water cooled or use permanent magnet.	Abandoning BNL quads because they will not work at 15Hz.
Buncher	Getting cold model to test	Will be installed at BNL in summer
Power for quads	Must have specs ok from (TD)	Use linac quad supplies?
Power for buncher		Use present buncher supply in the line.
Connection to Tank	Remove large flange of Tank1	

RFQ Status

- RFQ input power will be on the left w.r.t. the beam direction. Tuners will be on the other side. (16 June 2010)
- Coax cables need to be ordered for PA to RFQ.
- Waiting for output emittances and Twiss params. Have contacted Schemmp.

Test Stand

- Room has been cleaned up.
 - After beam line layout (progress?)
 - Water – Bob Slazak
 - Electrical – Jim Ranson
- Need to test LEBT before RFQ connection
 - Wires, toroids at the end of the LEBT, same position as the RFQ.

Safety

- When can the beam line layout in test area be done?

Controls

- Mike Kucera will need to be involved.

RFQ reminders

- Schempp is vendor
 - Make sure that the vanes are cleaned! See ISIS email.
 - Some cleaning details supplied by ISIS.
 - Review and verify on site mechanical design and construction (already in contract).